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FEB 20 2013



STATE OF MISSOURI
GEOLOGICAL SURVEY PROGRAM
APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

Oil & Gas Council

☒ APPLICATION TO DRILL ☐ DEEPEN ☐ PLUG BACK ☒ FOR AN OIL WELL ☐ OR GAS WELL

NAME OF COMPANY OR OPERATOR Kansas Resource Exploration and Development, LLC		DATE 02/01/2013	
ADDRESS 9393 West 110th St., Suite 500	CITY Overland Park	STATE KS	ZIP CODE 66210

DESCRIPTION OF WELL AND LEASE		
NAME OF LEASE MacLaughlin	WELL NUMBER E-6	ELEVATION (GROUND) 1040'

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)
 1980 ft. from ☐ North ☒ South section line 2970 ft. from ☒ East ☐ West section line

WELL LOCATION
 Sec. 4 Township 46 North Range 33 ☐ East ☒ West LATITUDE 38° 50' 13.92" LONGITUDE 94° 34' 32.39" COUNTY Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 340 FEET
 DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 150 FEET

PROPOSED DEPTH 700'	DRILLING CONTRACTOR, NAME AND ADDRESS Utah Oil, LLC	ROTARY OR CABLE TOOLS Rotary	APPROX. DATE WORK WILL START 03/01/2013
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NUMBER OF ACRES IN LEASE 138	NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 18
NUMBER OF ABANDONED WELLS ON LEASE 0	

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED? NAME DE Exploration ADDRESS 4595 Highway K33, Wellsville, KS 66092	NO. OF WELLS PRODUCING 14 INJECTION 3 INACTIVE 0 ABANDONED 0
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STATUS OF BOND <input type="checkbox"/> SINGLE WELL AMOUNT \$ <input checked="" type="checkbox"/> BLANKET BOND AMOUNT \$ 280,000	<input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED
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REMARKS (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED)

PRODUCER

PROPOSED CASING PROGRAM				APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST			
AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZE	WT/FT	CEMENT
20'	8 5/8"	20	6 sks	20	8 5/8"	20	Full length
700'	4 1/2"	11.6	125 sks	700	4 1/2"	11.6	

I, the Undersigned, state that I am the C.O.O. of the K.R.E.D. (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE <i>[Signature]</i>	DATE 2/1/13
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PERMIT NUMBER 21221	<input checked="" type="checkbox"/> DRILLER'S LOG REQUIRED <input checked="" type="checkbox"/> E-LOGS REQUIRED IF RUN <input checked="" type="checkbox"/> CORE ANALYSIS REQUIRED IF RUN <input checked="" type="checkbox"/> DRILL SYSTEM TEST INFO REQUIRED IF RUN <input type="checkbox"/> SAMPLES REQUIRED <input checked="" type="checkbox"/> SAMPLES NOT REQUIRED <input type="checkbox"/> WATER SAMPLES REQUIRED AT
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APPROVED DATE	APPROVED BY <i>Joseph A. [Signature]</i>
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NOTE ▶ THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE

I, B. Leech of the Utah Oil (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE <i>[Signature]</i>	DATE 2-4-13
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8/10 ~ 230'

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FEB 26 2013



STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
INJECTION WELL LOCATION PLAT

Mo Oil & Gas Council

OWNER'S NAME Kansas Resource Exploration & Development, LLC	
LEASE NAME MacLaughlin E-6	COUNTY Cass
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 1980 ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South section line 2970 ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West section line	
WELL LOCATION Sec. 4 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West	
LATITUDE N38° 50' 13.92" ✓	LONGITUDE W94° 34' 32.39" ✓
REMARKS Plat Map Scale - 1 Square = 660 feet ✓	
INSTRUCTIONS On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.	This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.
REGISTERED LAND SURVEY	NUMBER



Missouri Department of Natural Resources

Geographic Information Systems

Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).

<input type="button" value="Submit"/>		UTM Zone 16N [Easting, Northing] [363244.6, 4299890.1] meters	
<input type="radio"/> Universal Transverse Mercator [Zone 15 North]		Decimal Degrees [Lat, Lon] [38.8372°, -94.575664°]	
Easting <input type="text" value="363244.6703806325"/> meters		Deg, Min, Sec [Lat, Lon] [38° 50' 13.9", -94° 34' 32.3"]	
Northing <input type="text" value="4299890.141120469"/> meters		County Name Cass	
<input type="radio"/> Decimal Degrees		County FIPS Code 037	
Latitude <input type="text" value="38.8372"/> °		Legal Description Section 04 T46N R33W	
Longitude <input type="text" value="-94.57566388888888"/> °		Municipality Belton	
<input checked="" type="radio"/> Degrees, Minutes and Seconds		House District 56	
Latitude Degrees <input type="text" value="38"/> °		Senate District 31	
Latitude Minutes <input type="text" value="50"/> '		Congressional District 4	
Latitude Seconds <input type="text" value="13.92"/> "		MoDNR Region Kansas City Regional Office	
Longitude Degrees <input type="text" value="-94"/> °		USGS 1:24,000 Quadrangle Belton [38094-G5]	
Longitude Minutes <input type="text" value="34"/> '		8 Digit Watershed 10300101 [Lower Missouri-Crooked]	
Longitude Seconds <input type="text" value="32.39"/> "		10 Digit Watershed 1030010101 [Blue River]	
		12 Digit Watershed 103001010104 [Camp Branch-Blue River]	
		Special Well Drilling Area Area 2	
		Ecological Drainage Unit Central Plains/Blackwater/Lamine	
		Level III Ecoregion Central Irregular Plains	
		Query Time 6.156 s	

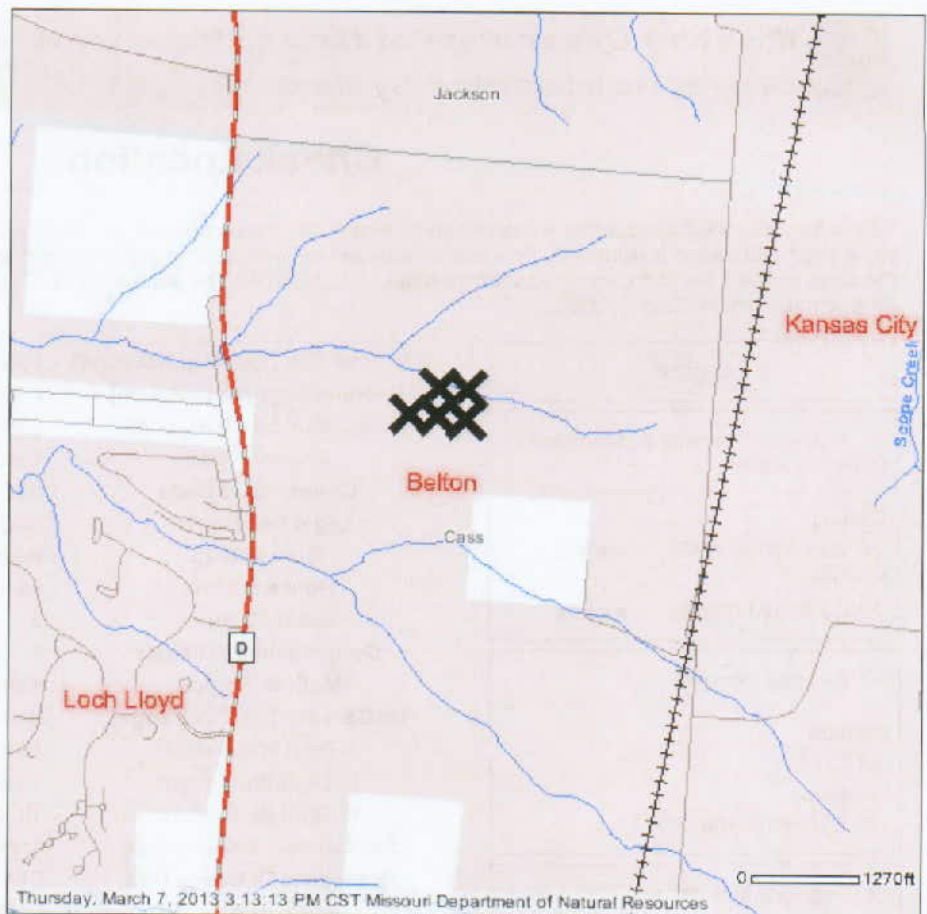
Rows with **red** text indicate that the input location is too close to a boundary to produce reliable results.

NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

Metadata

- [Interstate Highways](#)
- [US Highways](#)
- [State Highways](#)
- [Railroad](#)
- [Major and Minor Roads](#)
- [County Boundary](#)
- [Lakes](#)
- [Major Rivers](#)
- [Rivers and Streams](#)
- [Missouri River](#)
- [Mississippi River](#)
- [Municipal](#)

- Legend**
- Interstate Highways
 - US Highways
 - State Highways
 - Railroad
 - Major and Minor Roads
 - County Boundary
 - Lakes
 - Major Rivers
 - Rivers and Streams
 - Missouri River
 - Mississippi River
 - Municipal



View Scale 1:24,000

DISCLAIMER: Although this map has been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.



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